

# V&V Reference Report

## L2 ASCDS Version : 8.5.1

Observation 5731 - L2 Version 3  
Chandra X-Ray Center

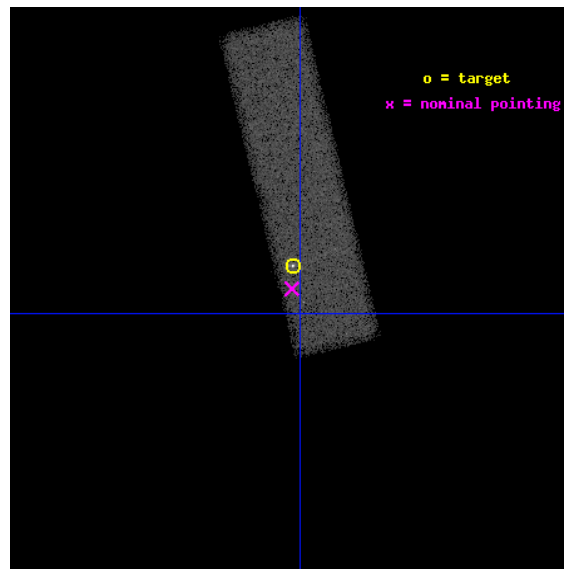
L2 Processing Date : Dec 14 2012

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# 1 Front

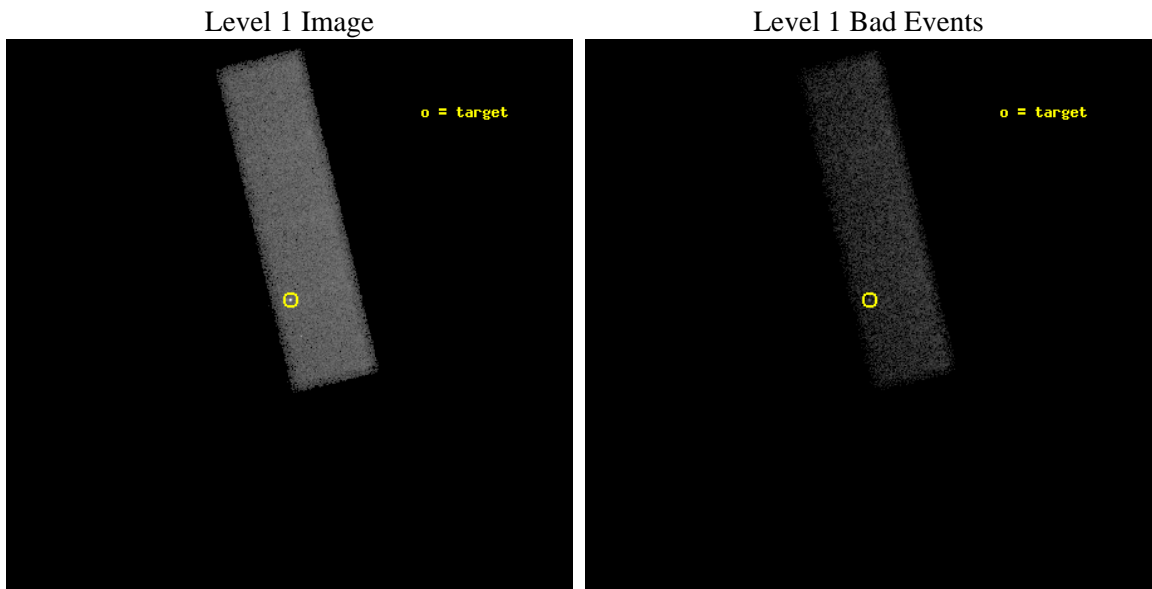
seq_num	701153	Sequence number
obs_id	5731	Observation id
title	A Study of the Physics of Extended Relativistic X-ray Jets, Discovered in our Chandra Survey	Proposal title
observer	Dr. Jonathan Gelbord	Principal investigator
object	PKS 2101-490	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	316.255	Observer's specified target RA [deg]
dec_targ	-48.812917	Observer's specified target Dec [deg]
ra_nom	316.25567240985	Nominal RA [deg]
dec_nom	-48.822847198758	Nominal Dec [deg]
roll_nom	256.41599339551	Nominal Roll [deg]
revision	3	Processing version of data
ontime	44164.800658107	Sum of GTIs [s]
livetime	42009.702899369	Livetime [s]
ontime7	44164.800658107	Sum of GTIs [s]
l2events	54087	Number of level 2 events



## 2 OBI

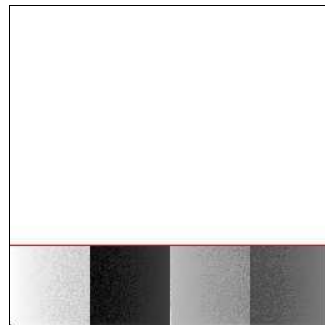
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	44000.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1	Processing system revision	ontime	44164.800658107	Sum of GTIs [s]
caldbver	4.5.5	&#160	ontime7	44164.800658107	Sum of GTIs [s]
date	2012-12-14T21:37:02	Date and time of file creation	l1events	120538	Number of level 1 events
revision	3	Processing version of data			

### 2.1.4 Events

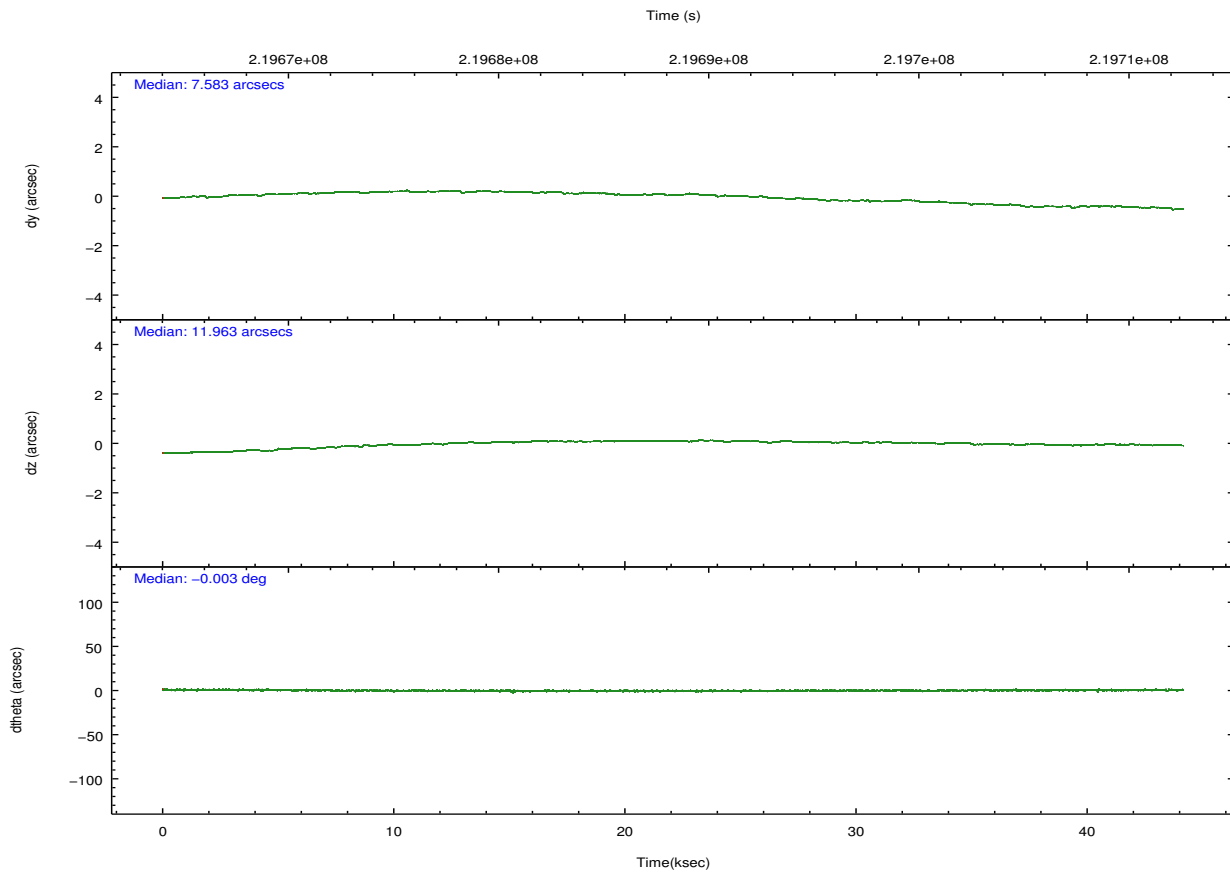
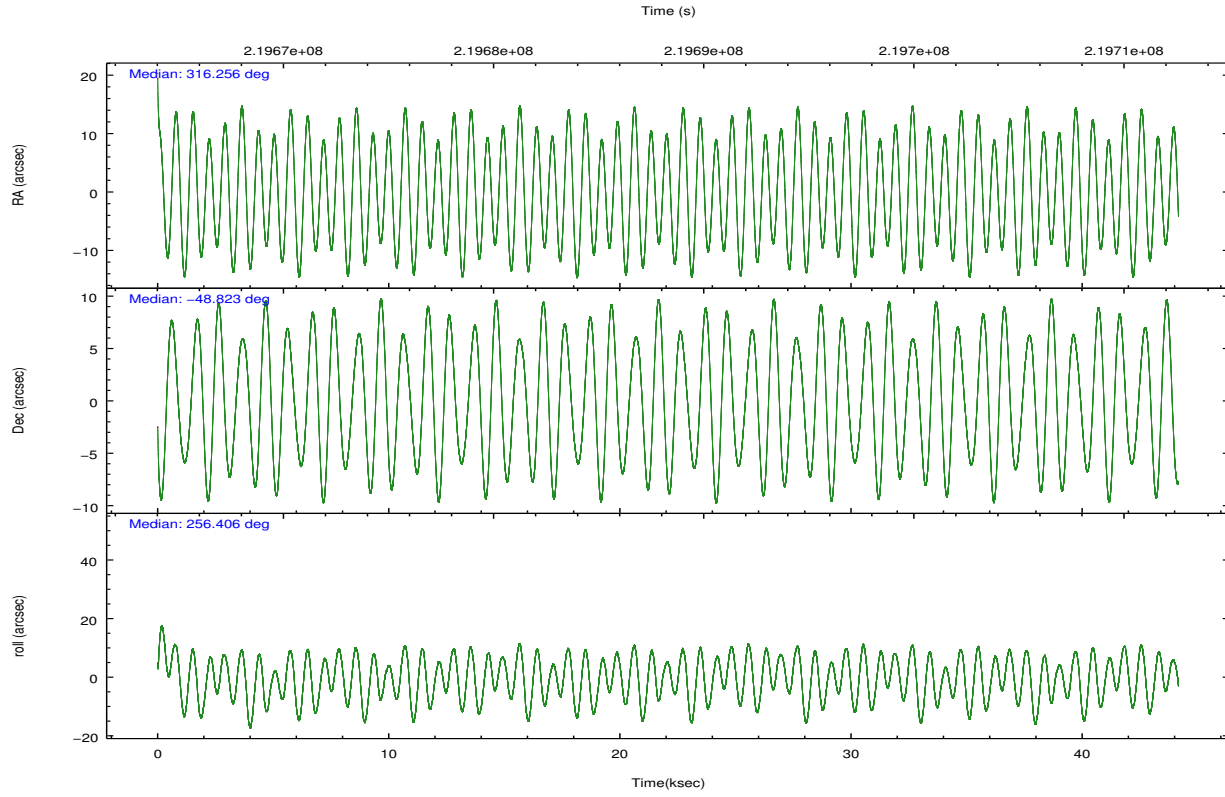
	<b>ccd 7</b>
level 1 events	120538
rejected events	64985
rejected %	<b>53%</b>

	<b>ccd 7</b>
grade 0 events	5763
	4%
grade 1 events	128
	0%
grade 2 events	11084
	9%
grade 3 events	6100
	5%
grade 4 events	5861
	4%
grade 5 events	10547
	8%
grade 6 events	27184
	22%
grade 7 events	53871
	44%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	316.243443	316.2556724098521	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-48.796812	-48.82284719875811	Subarray start row	1	1
[deg] Pointing Roll	256.250173	256.4159933955125	Subarray row count	256	256
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.8
[mm] SIM translation stage pos	-178.632523	-178.6370735452349			
[mm] SIM translation stage offset	-11.5	-11.49544903777291			
[s] Observation start time (MET)	219666393.184000	219665557.30527			
Observation start date	2004-12-17T10:25:29	2004-12-17T10:12:37			
[s] Observation end time (MET)	219710393.184000	219710986.84482			
Observation end date	2004-12-17T22:38:49	2004-12-17T22:49:46			
Read mode	TIMED	TIMED			

## 2.3 Aspect

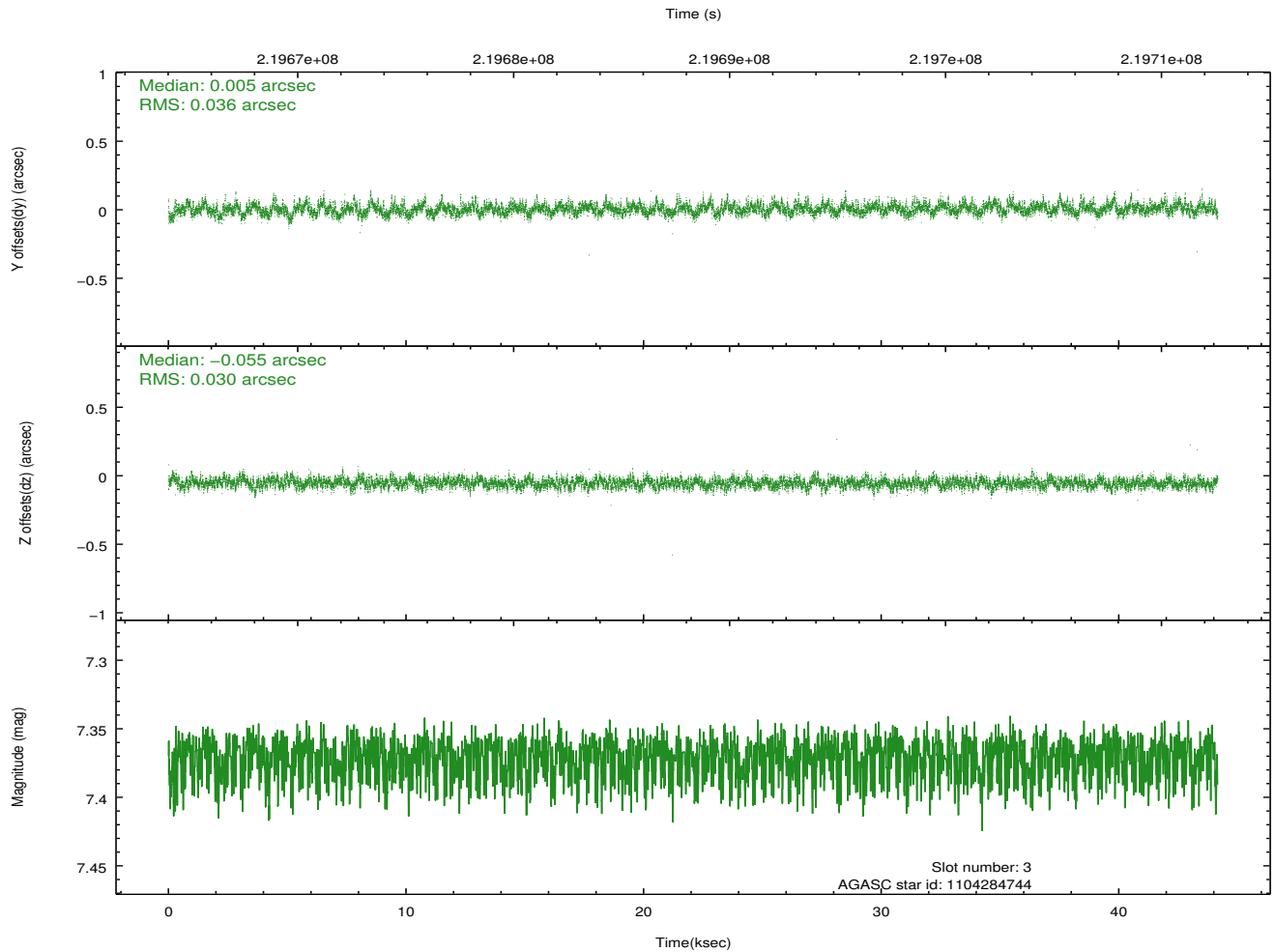
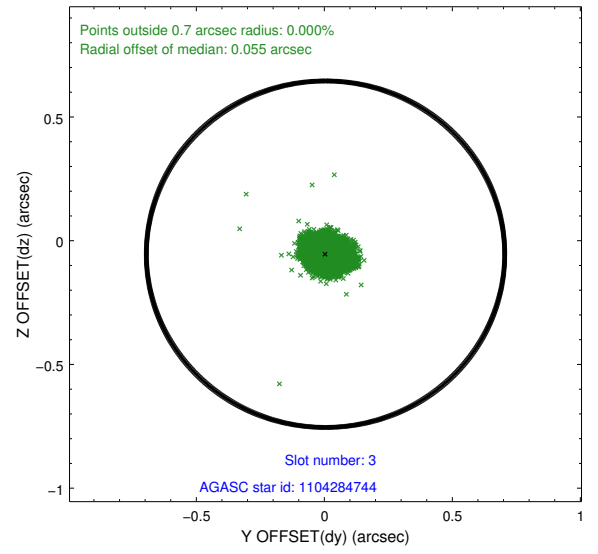
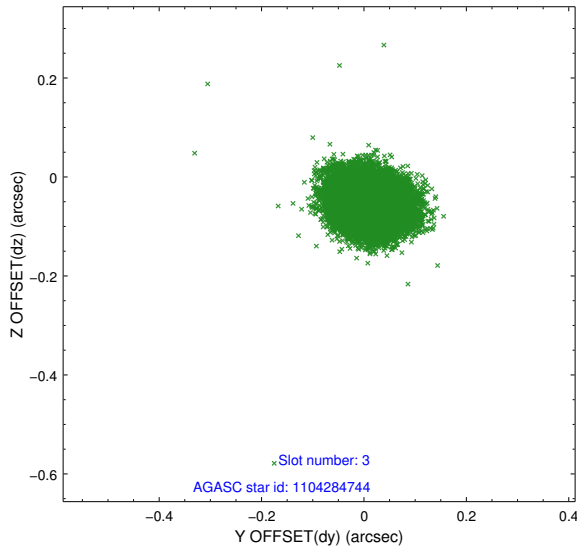


### Slot Statistics

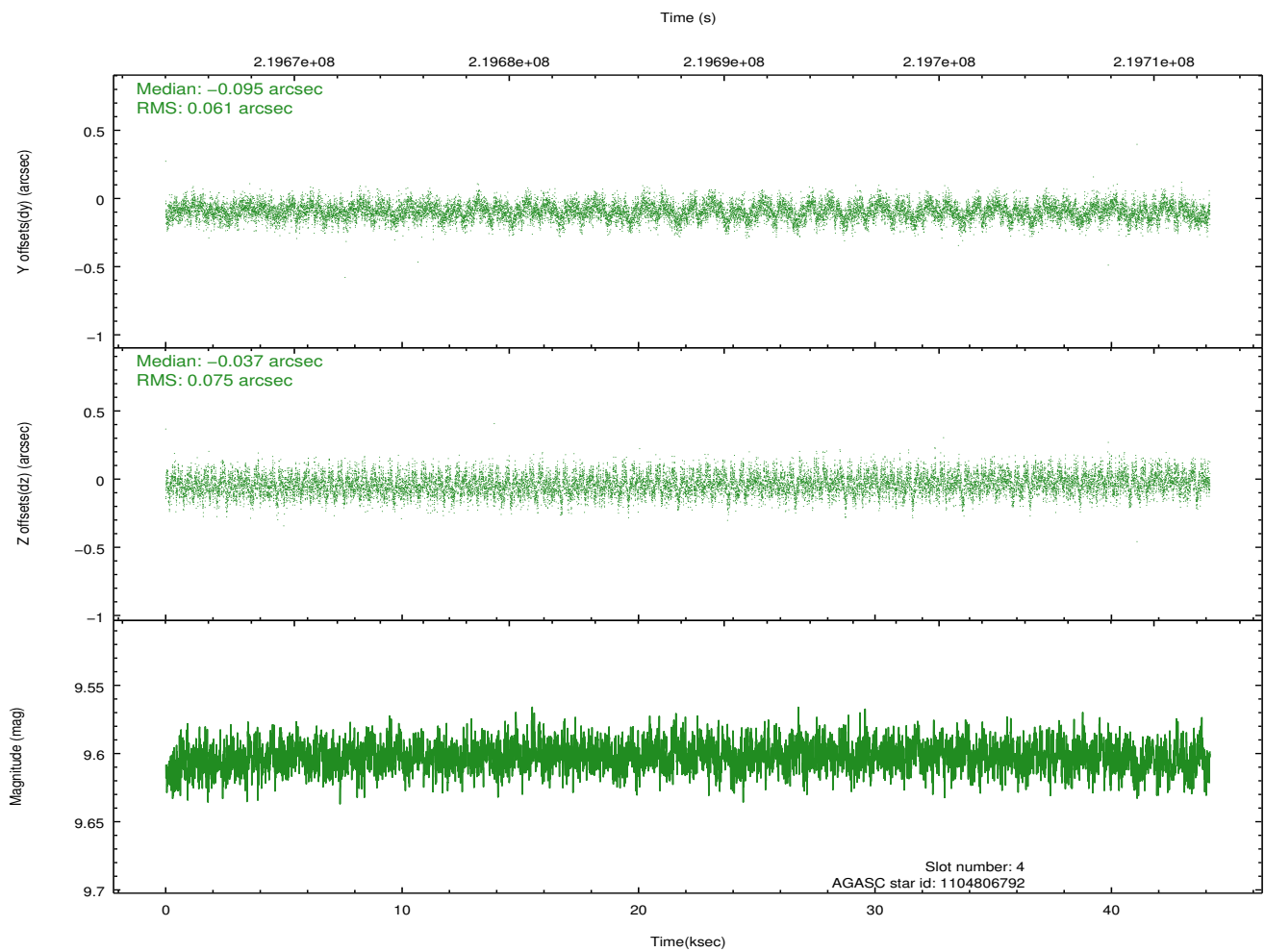
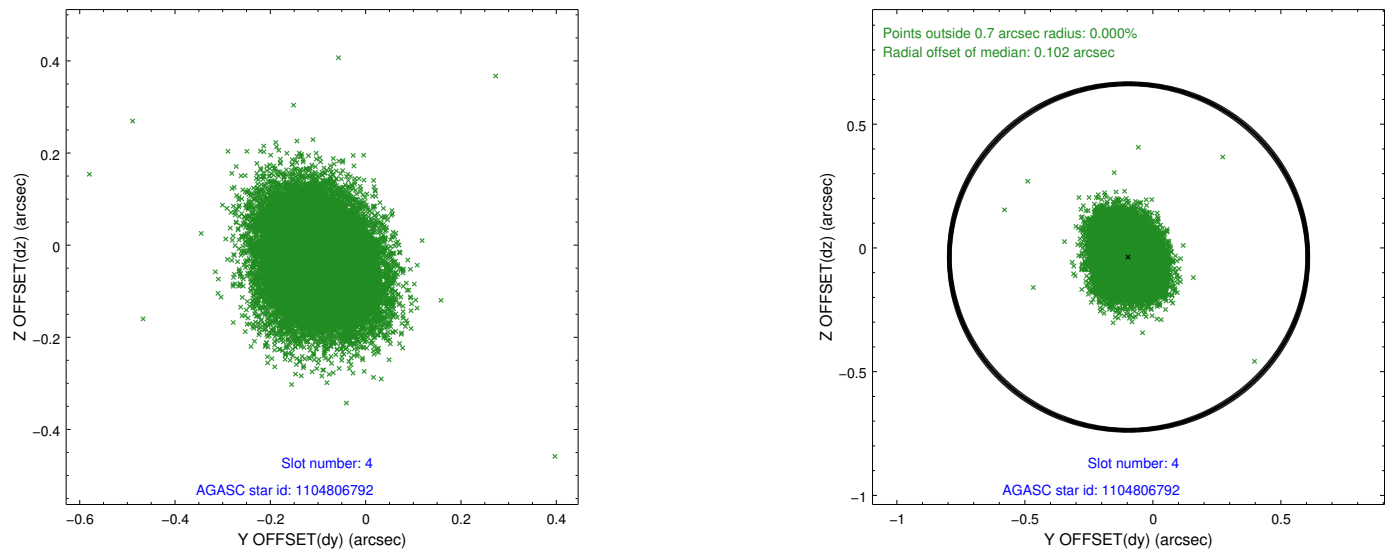
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	10773	0.080	0.111	0.009	0.016	0.000000	0.000000	936.60	-1965.42
1	FID	ACIS-S-5	7.23	10772	-0.069	0.111	0.007	0.013	0.000000	0.000000	-1812.46	-67.78
2	FID	ACIS-S-6	7.42	10772	-0.032	-0.211	0.009	0.015	0.000000	0.000000	402.16	575.76
3	GUIDE	1104284744	7.37	21542	0.005	-0.055	0.049	0.081	316.571361	-48.526307	-1129.83	528.17
4	GUIDE	1104806792	9.60	21518	-0.095	-0.037	0.103	0.167	315.583247	-48.831884	501.58	-1487.90
5	GUIDE	1104810032	9.77	21520	0.058	-0.049	0.121	0.207	315.296883	-49.246406	2115.16	-1772.47
6	GUIDE	1104811800	7.19	21542	-0.160	0.002	0.065	0.102	316.974422	-48.940124	98.54	1803.72
7	GUIDE	1104815064	8.77	21505	0.193	0.141	0.068	0.111	316.816074	-49.156642	943.04	1619.13

## 2.4 Star Slots

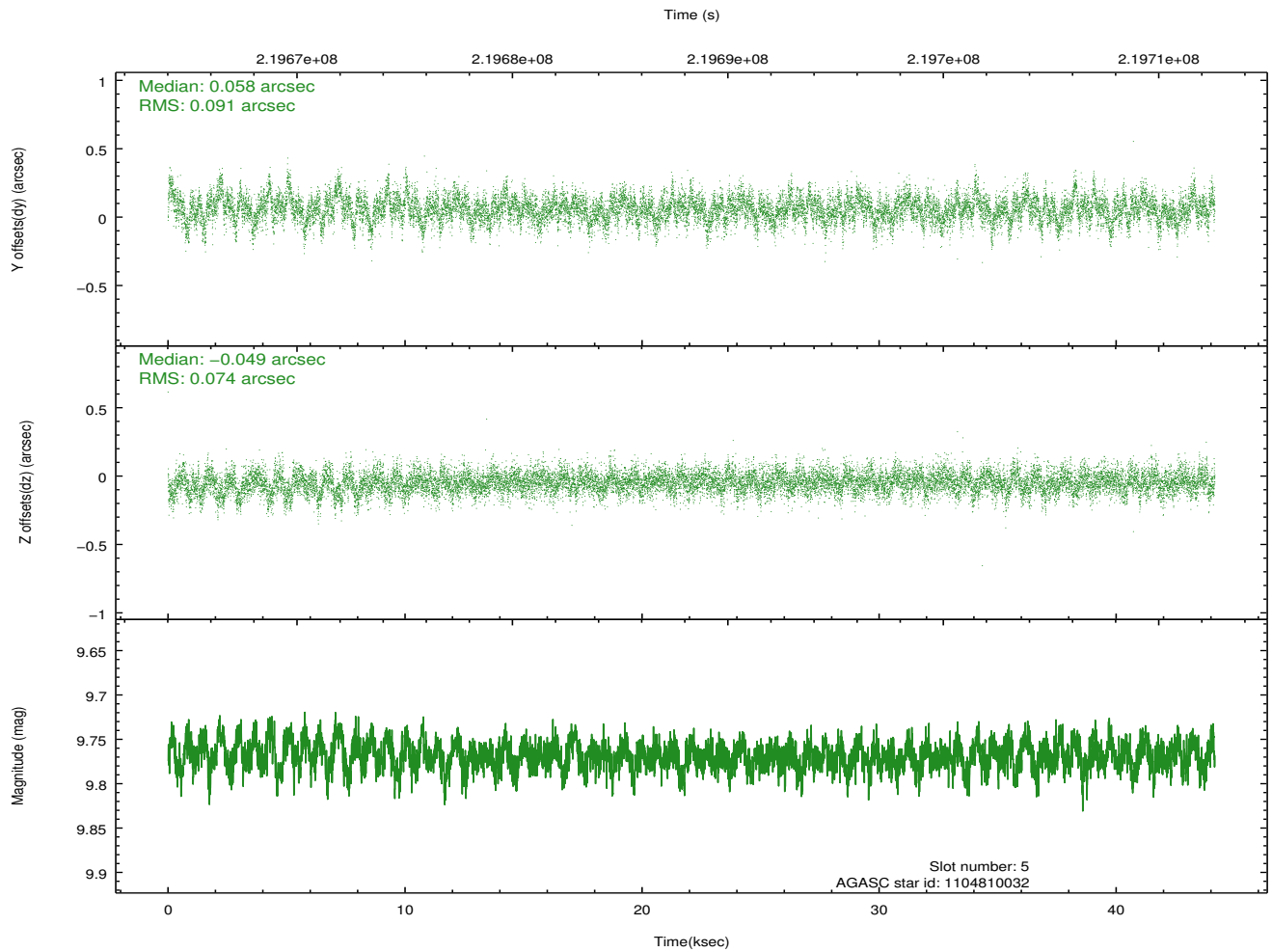
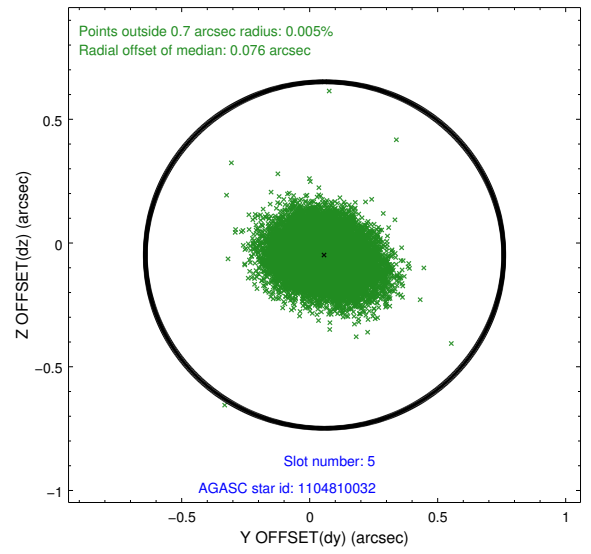
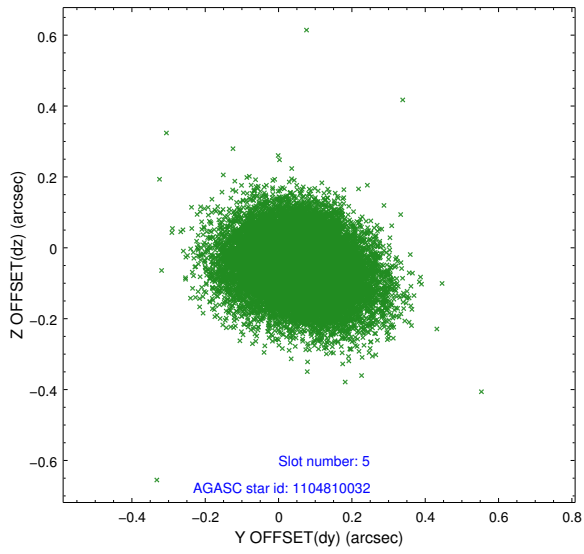
### 2.4.1 Slot 3



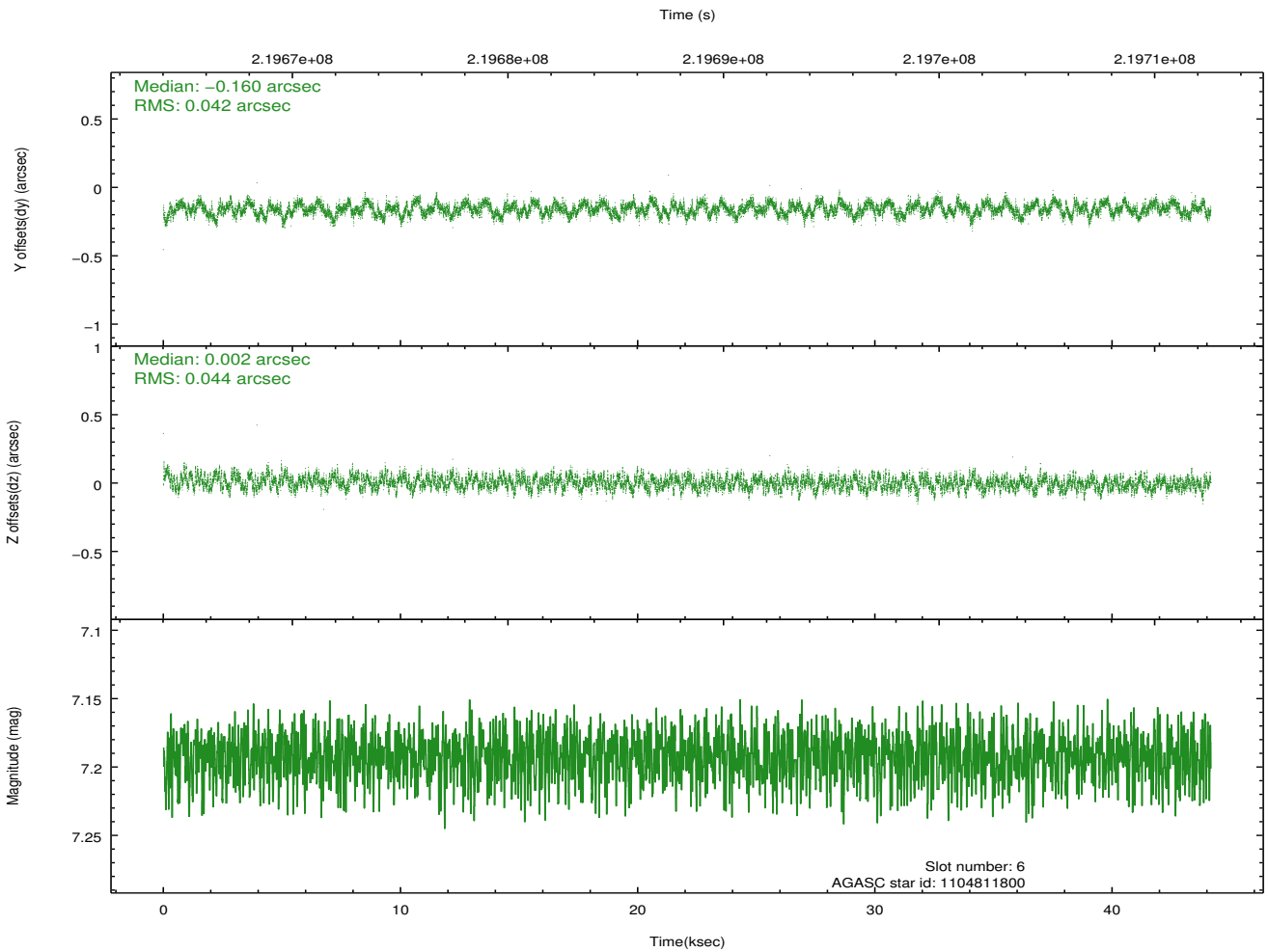
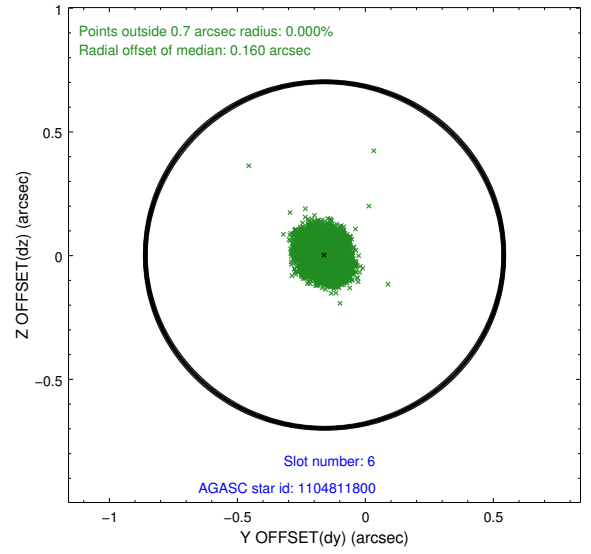
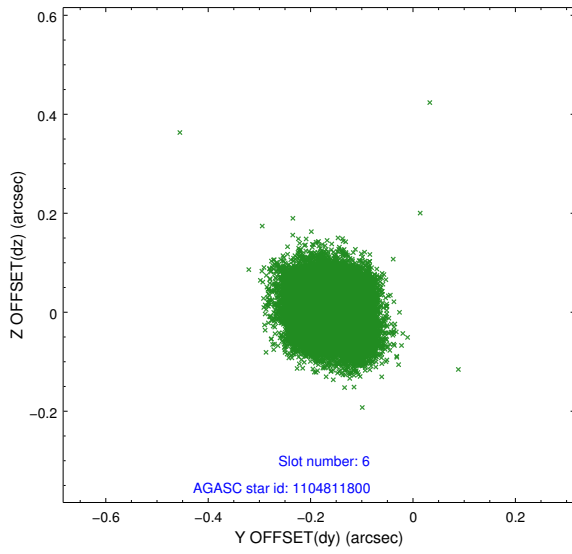
## 2.4.2 Slot 4



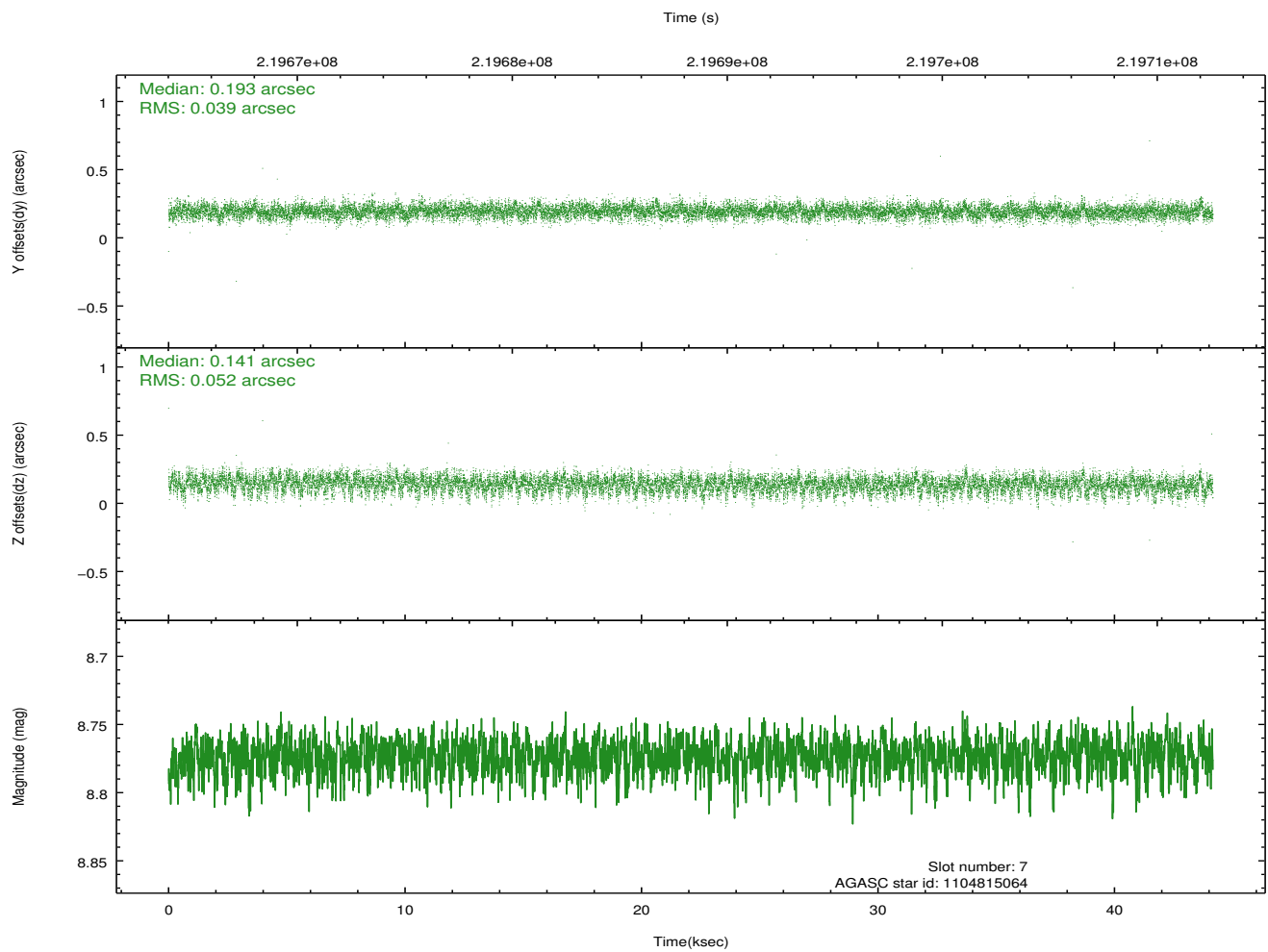
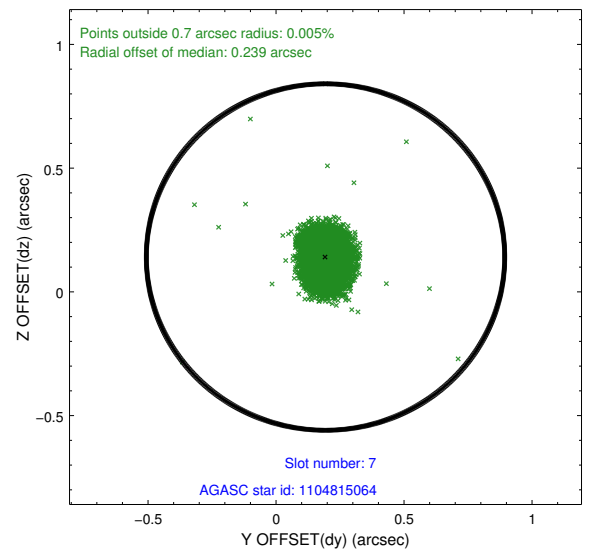
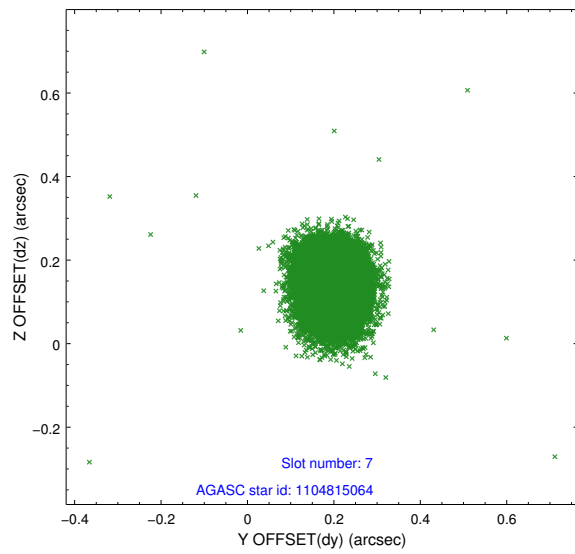
### 2.4.3 Slot 5



### 2.4.4 Slot 6

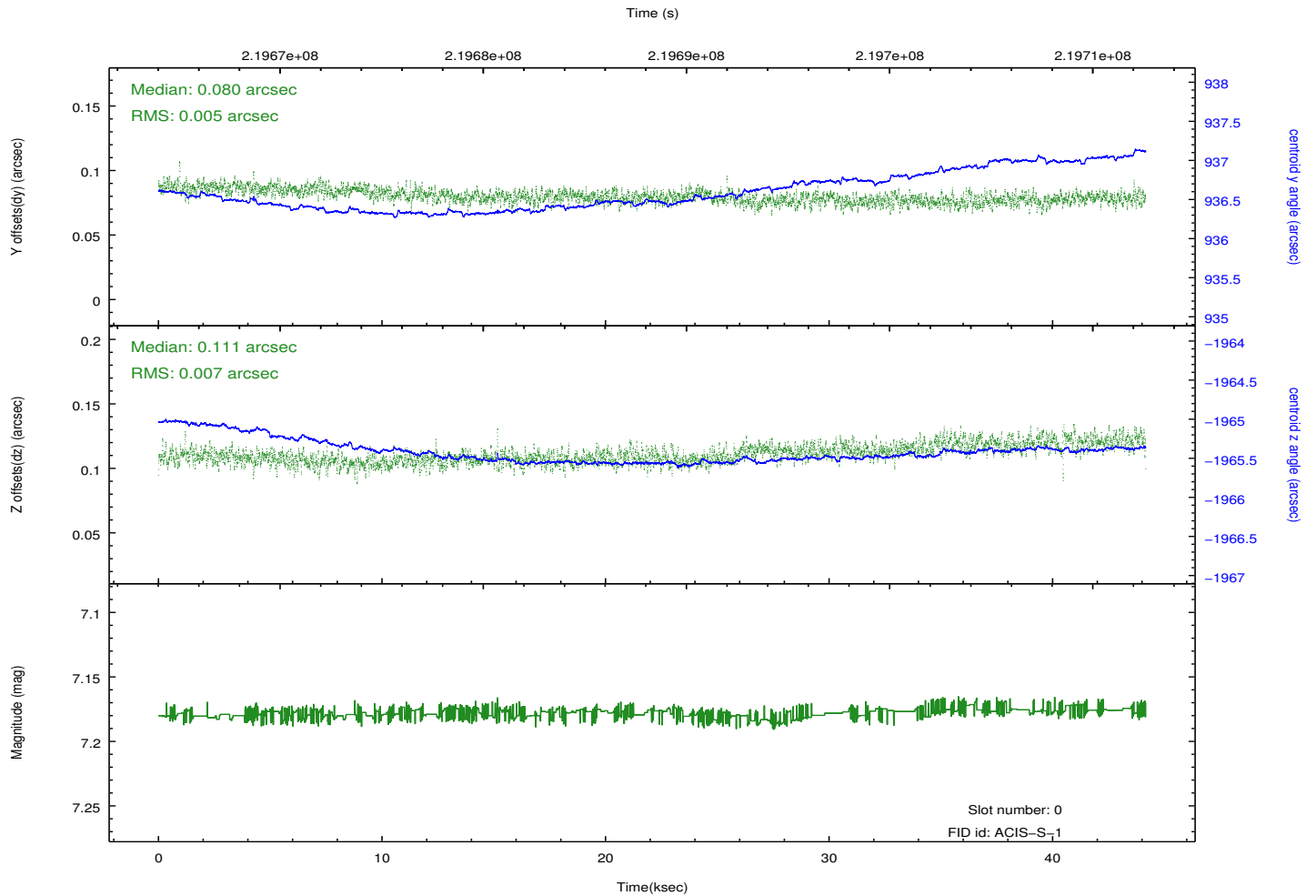
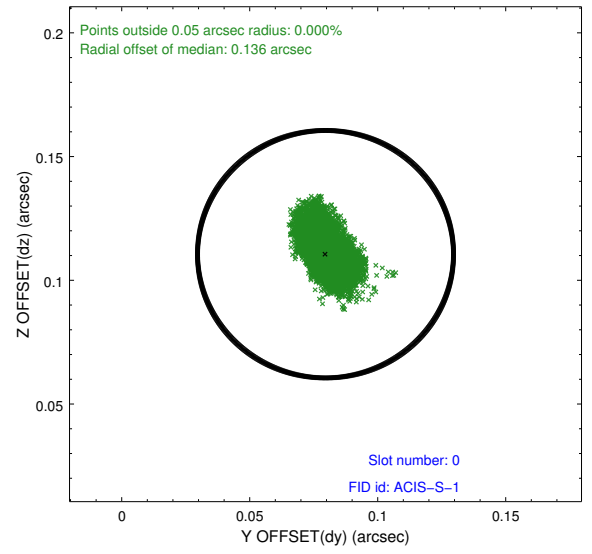
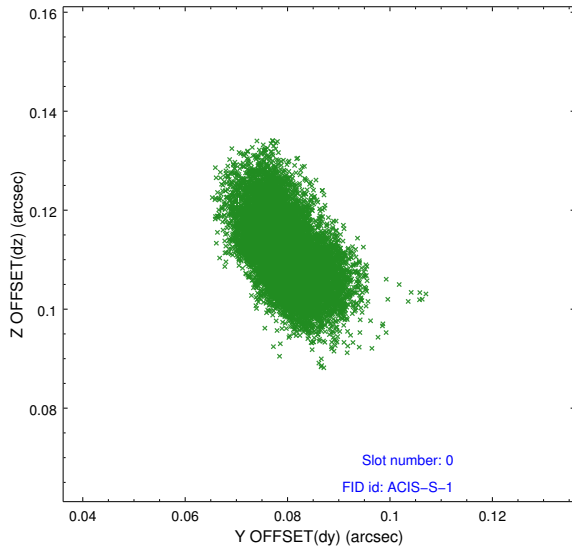


## 2.4.5 Slot 7

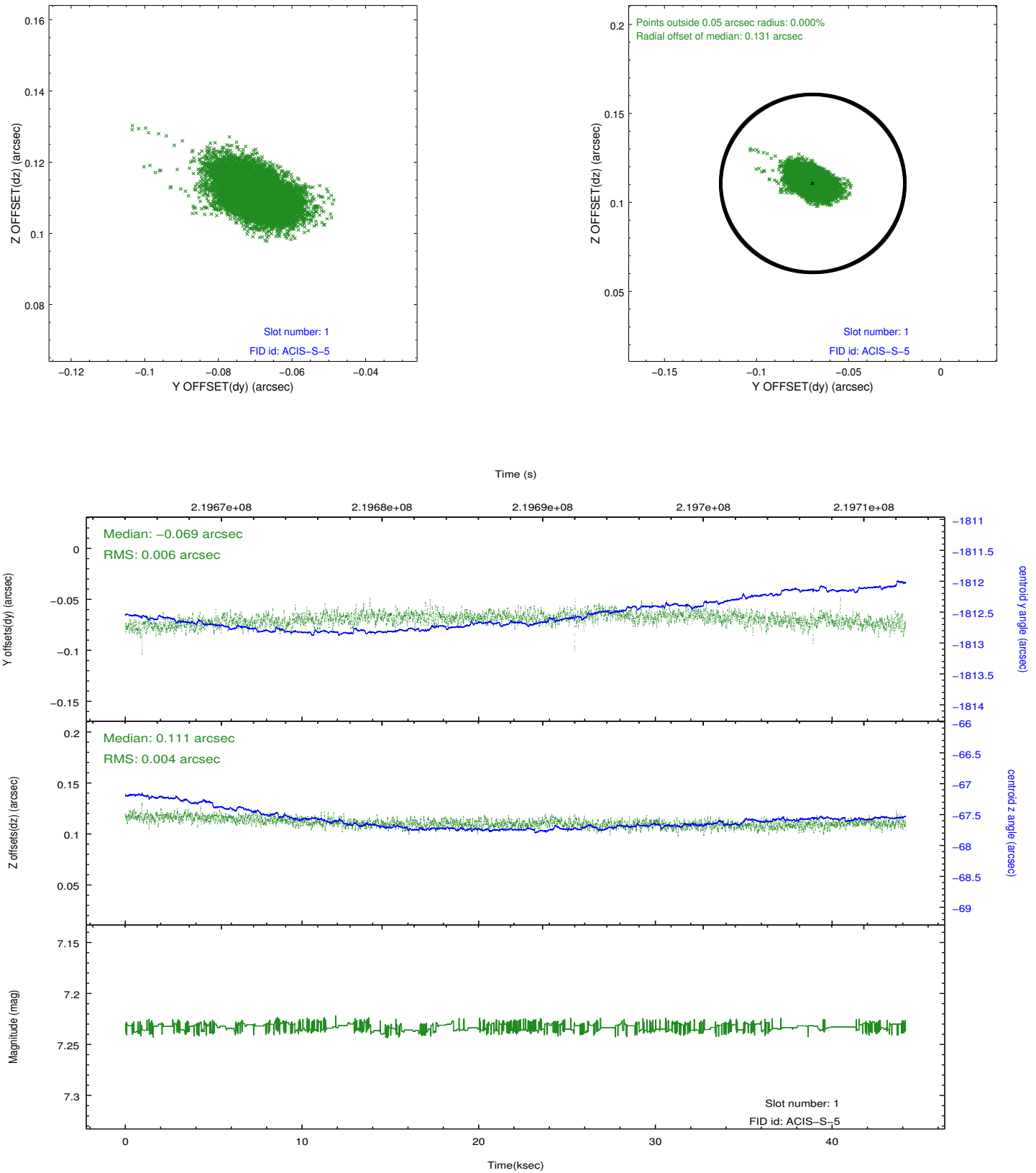


## 2.5 FID Slots

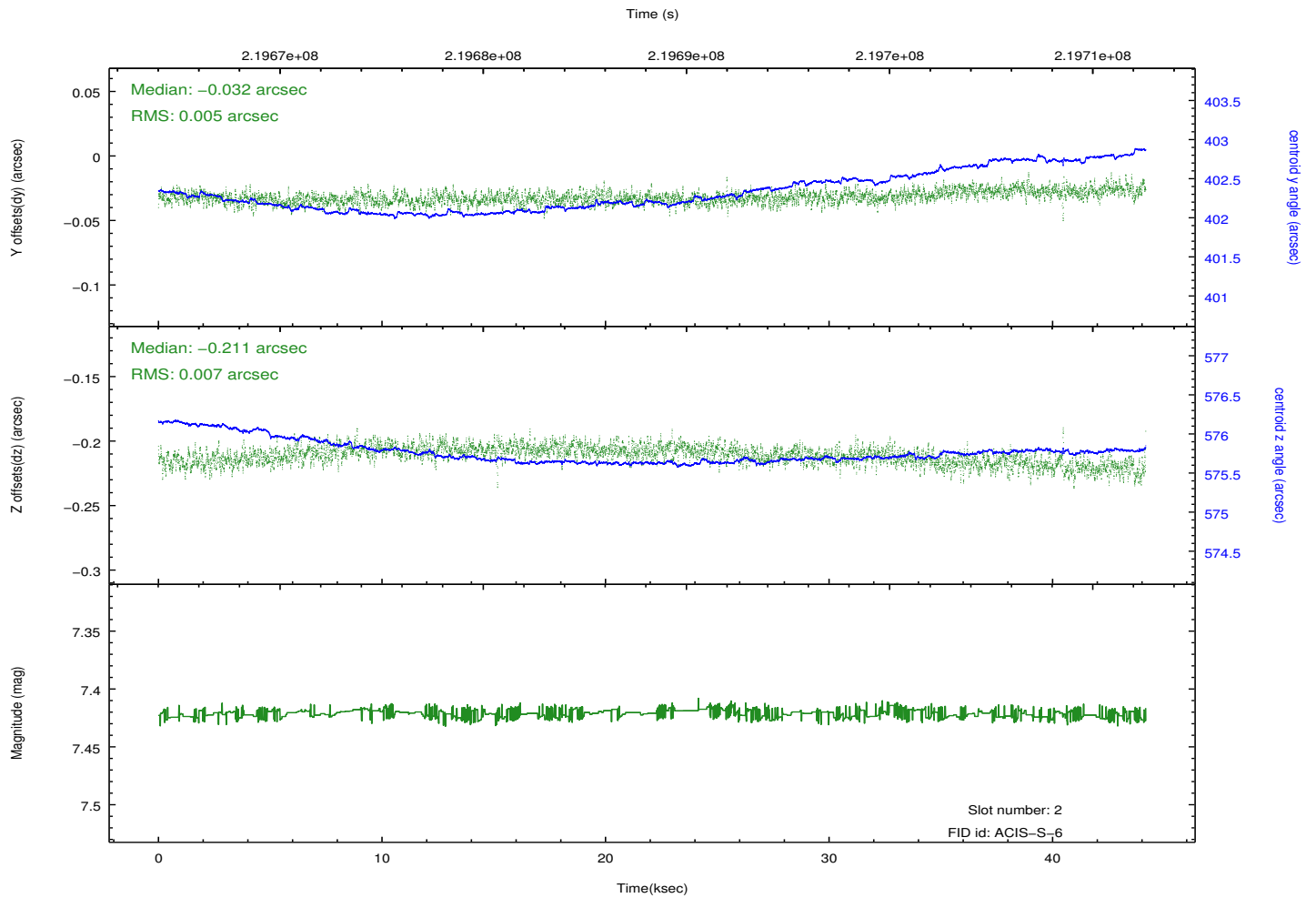
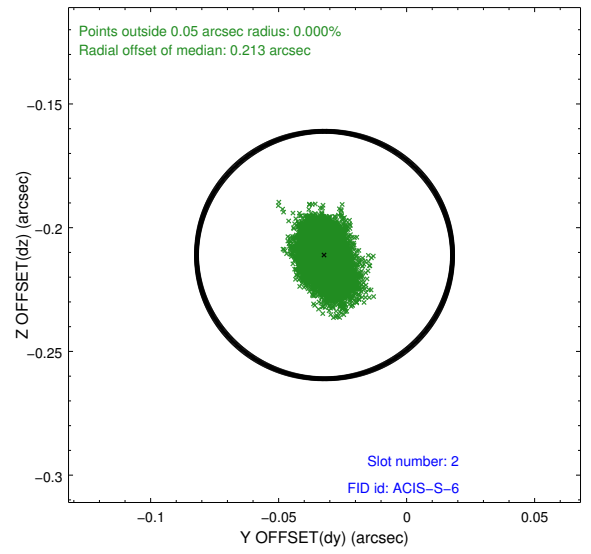
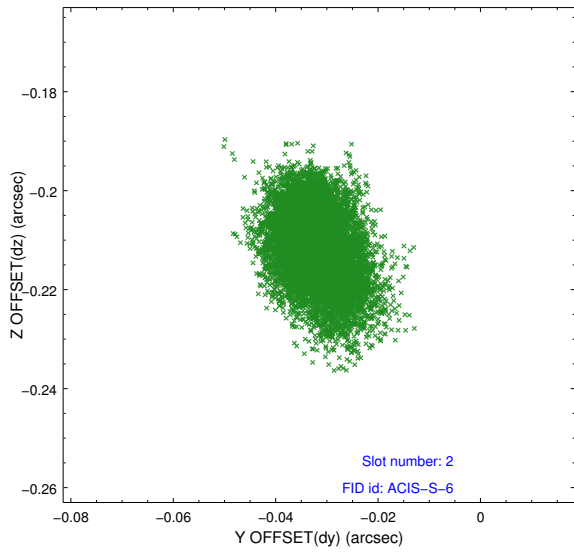
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2013.01.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	44.1648

## A.2 Comments

Joint Proposal: HST